

BEFORE THE PUBLIC UTILITIES COMMISSION  
OF THE STATE OF HAWAII

In the Matter of the Application )  
of )  
MOLOKAI PUBLIC UTILITIES, INC. ) Docket No. 2009-0048  
For review and approval of rate )  
increases; revised rate schedules; and )  
revised rules. )  
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)

**MOLOKAI PUBLIC UTILITIES, INC.'S SECOND SUPPLEMENTAL  
RESPONSE TO THE DIVISION OF CONSUMER ADVOCACY'S  
SUBMISSION OF REBUTTAL INFORMATION REQUESTS  
(CA-RIR-6)**

and

**CERTIFICATE OF SERVICE**

PUBLIC UTILITIES  
COMMISSION

200 MAR 11 P 2:55

**FILED**

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BEFORE THE PUBLIC UTILITIES COMMISSION  
OF THE STATE OF HAWAII

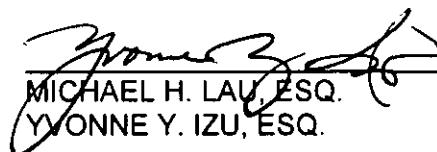
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COMES NOW, MOLOKAI PUBLIC UTILITIES, INC., by and through its attorneys, Morihara Lau & Fong LLP, hereby submits its Second Supplemental Response to the Division of Consumer Advocacy's Submission of Rebuttal Information Requests (CA-RIR-6) consistent with the Stipulated Regulatory Schedule (Exhibit "A") approved in the Order Approving Proposed Procedural Order, as Modified, filed on November 6, 2009.

DATED: Honolulu, Hawaii, March 11, 2010.



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MICHAEL H. LAU, ESQ.  
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**MOLOKAI PUBLIC UTILITIES, INC.'S RESPONSES  
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**Ref: MPU-RT-100, page 33.**

The Company acknowledges that the Consumer Advocate contends that certain portions of plant might be excess capacity, but indicates that there is no assertion that the plant is not used or useful in providing service to customers.

a. Please discuss whether it is the Company's understanding that the Commission's standard is whether plant is "used and useful" or "used or useful." Please provide any authoritative citations.

**RESPONSE:** The Company does not understand the relevancy of the Consumer Advocate's question. However, without waiving any objection thereto, the Company notes that under HRS § 269-16(b)(3), the statute utilizes the phrase "property actually used or useful for public utility purposes" (emphasis added).

b. Is it the Company's assertion that all of the plant currently existing is necessary to serve the currently existing customer base?

**RESPONSE:** No, that is not the Company's assertion. In any water or sewer utility operation, engineering, fire flow, and operational reasons require the utility to have sufficient reserves beyond

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**CA-RIR-6 (cont.)**

what is required to serve the "currently existing customer base".

1. If so, please confirm that there is no additional capacity in the existing plant to serve any future incremental or additional demand. Please provide a copy of the report or analysis that supports the Company's response.

**RESPONSE:** Not applicable, see responses to part "a" and "b" above.

2. If the Company is asserting that there is no additional available capacity, please discuss how the Company plans to serve any future additional load.

**RESPONSE:** No, that is not the Company's assertion.

- c. If it is the Company's assertion that there is capacity that could be used to serve future loads, but, rather than recovering the costs for that capacity from those future customers, the Company is recommending that the existing customers should be required to pay for capacity unrelated to their demands, please provide any authoritative citations

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that explicitly supports the conclusion that such an expectation is reasonable.

**RESPONSE:** No, that is not the Company's assertion.

1. If the Company acknowledges that there is existing capacity that was used to previously serve customer demand but is now available, please identify that existing capacity and provide a copy of any analysis or study that supports the Company's response.

**SECOND  
SUPPLEMENTAL  
RESPONSE:**

The Company acknowledges that there is existing capacity that was required to provide service to customers for a number of years that are not customers at this time. The Company has made no calculations of the capacity that was required to serve those customers. The existing capacity of the water treatment plant is 1.5 mgd.

2. If not already provided, please provide the following:
  - (a) Total plant capacity, both peak and average.  
If this information is available by major plant function, such detail would be preferable.

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**RESPONSE:** The design capacity for the plant is 1.5 million gallons per day. Unlike wastewater treatment plants which are designed for peak and average day flows, there is no comparable equivalent for the water treatment system since the Company has the 400,000 gallon "clean water" storage reservoir.

(b) Recorded monthly peak usage for each of the past three years. If this information is available by major plant function, such detail would be preferable.

**SECOND  
SUPPLEMENTAL  
RESPONSE:**

The Company has compiled daily meter recordings of treated water flow out of the water treatment plant for 2007, 2008, and 2009. See Attachment CA-RIR-6c.2(b). (Please note, however, that data from the end of October through the end of November 2007 is missing.) Recorded outflows include water supplied to MPU customers, water supplied to

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**CA-RIR-6 (cont.)**

WOM customers and backwash water.

Because readings were done at different times of the day, there may be more or less than 24 hours between readings. While this affects daily readings, it does not significantly affect monthly totals or averages.

- (c) Recorded monthly peak and average usage by customer class and meter size for each of the past three years.

**RESPONSE:**

This requested information is not available since the Company's recordkeeping does not include peak and average usage by customer class and meter size.

- (d) Industry standard values for the expected average and peak usage per type of customer in the Company's service territory.

**RESPONSE:**

The Company does not have the requested industry standard values and therefore cannot provide them in response to this information request.

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CA-RIR-6 (cont.)

- d. Please confirm that requiring the existing customer base to pay for all fixed and variable costs will result in a higher utility rate for the remaining customers as compared to the costs that are attributable to those customers. If the Company disagrees, please provide a copy of the analysis or study that supports the Company's position.

**RESPONSE:** The Company agrees that the remaining customers will have higher utility bills because the plant that was required to serve the customers, some of whom are no longer users, will be recovered from fewer customers and over smaller usage amounts. The Company also believes that not recovering the total costs to serve for plant that was required to provide service will severely penalize the Company for results that it did not cause and would deny the Company an opportunity to recover its costs incurred to provide utility service.

- e. If the Company agrees that utility rates designed to recover fully embedded costs from the remaining customer base will be higher because the remaining customers are being burdened with all fixed and variable costs, even those not attributable to capacity required by the existing customer

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**CA-RIR-6 (cont.)**

base, does the Company also agree that the higher rates might cause one or more of the following:

1. Customers leave the system due to excessive utility rates;

**RESPONSE:** That is always a possibility. However, since a customer has few viable alternatives (purchasing bottled water, installing catchment system, etc.), the customer would likely move from the service territory before actually disconnecting service from the Company.

2. Greater levels of uncollectible expense or bad debts on a short and/or long term basis; or

**RESPONSE:** That is a possibility

3. Customers will be required to modify their lifestyles to allocate a greater portion of their monthly income towards water utility bills.

**RESPONSE:** That is a possibility

- f. Assuming that the Company agrees with any of the three possible conditions that might occur, please describe what, if

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CA-RIR-6 (cont.)

any, solutions the Company would propose to mitigate the adverse impacts on its customers.

**RESPONSE:** There are no good solutions, based on the form of the questions. The major alternative which would not penalize the Company further, would be for the government agencies to come to the aid of its residents and taxpayers to provide assistance which could be in the form of funds for paying the utility bills .other subsidies to the utility to reduce the costs that need to recovered from customers. For example, the utility could be exempted from the revenue taxes and other fees during this period. There are probably additional solutions such as customers forming a cooperative and operating the utility. While this would require the utility to be compensated for its investment, the cooperative should be able to obtain governmental support for that activity and set its own service conditions, subject to the Commission regulations and local, state and Federal laws.

**SPONSOR:** Robert O'Brien

**ATTACHMENT  
CA-RIR-6c.2(b)**

**PUUNANA WATER TREATMENT PLANT**  
**TOTAL EFFLUENT**

ATTACHMENT CA-RIR-6c.2(b)

DATE	READING	TOTAL	DATE	READING	TOTAL	DATE	READING	TOTAL	DATE	READING	TOTAL
1/1/09	OFF		2/1/09	OFF		3/1/09	OFF		4/1/09	610071	1021
1/2/09	OFF		2/2/09	584865	705	3/2/09	595745	1093	4/2/09	611092	979
1/3/09	OFF		2/3/09	585570	756	3/3/09	596838	1167	4/3/09	612071	12
1/4/09	OFF		2/4/09	586326	962	3/4/09	598005	508	4/4/09	OFF	
1/5/09	575700	1015	2/5/09	587288	48	3/5/09	598513	1020	4/5/09	OFF	
1/6/09	576715	899	2/6/09	OFF		3/6/09	599533	366	4/6/09	612083	756
1/7/09	577614	259	2/7/09	OFF		3/7/09	OFF		4/7/09	612839	885
1/8/09	OFF		2/8/09	OFF		3/8/09	OFF		4/8/09	613724	1087
1/9/09	OFF		2/9/09	587336	773	3/9/09	599899	976	4/9/09	614811	485
1/10/09	OFF		2/10/09	588109	787	3/10/09	600875	986	4/10/09	OFF	
1/11/09	OFF		2/11/09	588896	970	3/11/09	601861	982	4/11/09	OFF	
1/12/09	577873	854	2/12/09	589866	9	3/12/09	602843	190	4/12/09	OFF	
1/13/09	578727	838	2/13/09	OFF		3/13/09	OFF		4/13/09	615296	1059
1/14/09	579565	797	2/14/09	OFF		3/14/09	OFF		4/14/09	616355	884
1/15/09	580362	46	2/15/09	589875	828	3/15/09	OFF		4/15/09	617239	1042
1/16/09	OFF		2/16/09	590703	1113	3/16/09	603033	687	4/16/09	618281	1020
1/17/09	OFF		2/17/09	591816	246	3/17/09	603720	886	4/17/09	619301	50
1/18/09	OFF		2/18/09	OFF		3/18/09	604606	1010	4/18/09	OFF	
1/19/09	OFF		2/19/09	592062	281	3/19/09	605616	3	4/19/09	OFF	
1/20/09	580408	647	2/20/09	OFF		3/20/09	OFF		4/20/09	619351	863
1/21/09	581055	693	2/21/09	OFF		3/21/09	OFF		4/21/09	620214	915
1/22/09	581748	790	2/22/09	OFF		3/22/09	OFF		4/22/09	621129	971
1/23/09	582538	35	2/23/09	592343	953	3/23/09	605619	1010	4/23/09	622100	1077
1/24/09	OFF		2/24/09	593296	1040	3/24/09	606629	827	4/24/09	623177	41
1/25/09	OFF		2/25/09	594336	311	3/25/09	607456	73	4/25/09	OFF	
1/26/09	582573	731	2/26/09	OFF		3/26/09	OFF		4/26/09	OFF	
1/27/09	583304	401	2/27/09	594647	1097	3/27/09	607529	508	4/27/09	623218	822
1/28/09	OFF		2/28/09	595744	1	3/28/09	OFF		4/28/09	624040	907
1/29/09	OFF					3/29/09	OFF		4/29/09	624947	585
1/30/09	583705	1127				3/30/09	608037	1012	4/30/09	625532	504
1/31/09	584832	33				3/31/09	609049	1022			
<b>MONTH TOTAL</b>	<b>9165</b>	<b>MONTH TOTAL</b>	<b>10880</b>	<b>MONTH TOTAL</b>	<b>14326</b>	<b>MONTH TOTAL</b>	<b>15965</b>				

**PUUNANA WATER TREATMENT PLANT**  
**TOTAL EFFLUENT**

ATTACHMENT CA-RIR-6c.2(b)

DATE	READING	TOTAL									
5/1/09	626036	19	6/1/09	640835	841	7/1/09	657891	1055	8/1/09	OFF	
5/2/09	OFF		6/2/09	641676	712	7/2/09	658946	1088	8/2/09	OFF	
5/3/09	OFF		6/3/09	642388	788	7/3/09	660034	1	8/3/09	676174	874
5/4/09	626055	703	6/4/09	643176	1003	7/4/09	OFF		8/4/09	677048	1032
5/5/09	626758	816	6/5/09	644179	8	7/5/09	OFF		8/5/09	678080	1141
5/6/09	627574	902	6/6/09	OFF		7/6/09	660035	982	8/6/09	679221	1090
5/7/09	628476	1161	6/7/09	OFF		7/7/09	661017	911	8/7/09	680311	359
5/8/09	629637	4	6/8/09	644187	777	7/8/09	661928	1058	8/8/09	OFF	
5/9/09	OFF		6/9/09	644964	837	7/9/09	662986	922	8/9/09	OFF	
5/10/09	OFF		6/10/09	645801	896	7/10/09	663908	2	8/10/09	680670	1164
5/11/09	629641	898	6/11/09	646697	1069	7/11/09	OFF		8/11/09	681834	750
5/12/09	630539	1003	6/12/09	647766	361	7/12/09	OFF		8/12/09	682584	712
5/13/09	631542	934	6/13/09	OFF		7/13/09	663910	903	8/13/09	683296	200
5/14/09	632476	1014	6/14/09	OFF		7/14/09	664813	980	8/14/09	OFF	
5/15/09	633490	28	6/15/09	648127	920	7/15/09	665793	891	8/15/09	OFF	
5/16/09	OFF		6/16/09	649047	904	7/16/09	666684	935	8/16/09	OFF	
5/17/09	OFF		6/17/09	649951	1077	7/17/09	667619	16	8/17/09	683496	943
5/18/09	633518	761	6/18/09	651028	1095	7/18/09	OFF		8/18/09	684439	1102
5/19/09	634279	943	6/19/09	652123	4	7/19/09	OFF		8/19/09	685541	1080
5/20/09	635222	852	6/20/09	OFF		7/20/09	667635	1018	8/20/09	686621	264
5/21/09	636074	1078	6/21/09	OFF		7/21/09	668653	1109	8/21/09	OFF	
5/22/09	637152	0	6/22/09	652127	906	7/22/09	669762	1067	8/22/09	OFF	
5/23/09	OFF		6/23/09	653033	931	7/23/09	670829	1134	8/23/09	OFF	
5/24/09	637152	597	6/24/09	653964	1011	7/24/09	671963	13	8/24/09	686885	1048
5/25/09	637749	1	6/25/09	654975	1068	7/25/09	OFF		8/25/09	687933	1018
5/26/09	637750	1112	6/26/09	656043	3	7/26/09	OFF		8/26/09	688951	1158
5/27/09	638862	858	6/27/09	OFF		7/27/09	671976	1051	8/27/09	690109	1171
5/28/09	639720	1082	6/28/09	OFF		7/28/09	673027	1020	8/28/09	691280	547
5/29/09	640802	33	6/29/09	656046	944	7/29/09	674047	1072	8/29/09	OFF	
5/30/09	OFF		6/30/09	656990	901	7/30/09	675119	1053	8/30/09	691827	377
5/31/09	OFF					7/31/09	676172	2	8/31/09	692204	893
<b>MONTH TOTAL</b>	<b>14799</b>		<b>MONTH TOTAL</b>	<b>17056</b>		<b>MONTH TOTAL</b>	<b>18283</b>		<b>MONTH TOTAL</b>	<b>16923</b>	

**PUUNANA WATER TREATMENT PLANT**  
**TOTAL EFFLUENT**

ATTACHMENT CA-RIR-6c.2(b)

DATE	READING	TOTAL									
9/1/09	693097	858	10/1/09	711058	1225	11/1/09	OFF		12/1/09	744102	1164
9/2/09	693955	771	10/2/09	712283	356	11/2/09	729371	1013	12/2/09	745266	1098
9/3/09	694726	1147	10/3/09	OFF		11/3/09	730384	1067	12/3/09	746364	782
9/4/09	695873	8	10/4/09	OFF		11/4/09	731451	911	12/4/09	747146	3
9/5/09	OFF		10/5/09	712639	1087	11/5/09	732362	316	12/5/09	OFF	
9/6/09	OFF		10/6/09	713726	1228	11/6/09	OFF		12/6/09	OFF	
9/7/09	OFF		10/7/09	714954	1187	11/7/09	OFF		12/7/09	OFF	
9/8/09	695881	1155	10/8/09	716141	1080	11/8/09	OFF		12/8/09	747149	1012
9/9/09	697036	1237	10/9/09	717221	3	11/9/09	732678	1094	12/9/09	748161	1040
9/10/09	698273	1156	10/10/09	OFF		11/10/09	733772	1085	12/10/09	749201	1168
9/11/09	699429	464	10/11/09	OFF		11/11/09	734857	1098	12/11/09	750369	3
9/12/09	OFF		10/12/09	OFF		11/12/09	735955	959	12/12/09	OFF	
9/13/09	OFF		10/13/09	717224	1069	11/13/09	736914	0	12/13/09	OFF	
9/14/09	699893	1010	10/14/09	718293	1242	11/14/09	OFF		12/14/09	750372	1130
9/15/09	700903	1122	10/15/09	719535	1146	11/15/09	OFF		12/15/09	751502	881
9/16/09	702025	1037	10/16/09	720681	160	11/16/09	736914	1007	12/16/09	752383	835
9/17/09	703062	1137	10/17/09	OFF		11/17/09	737921	284	12/17/09	753218	909
9/18/09	704199	13	10/18/09	OFF		11/18/09	738205	413	12/18/09	754127	9
9/19/09	OFF		10/19/09	720841	1464	11/19/09	738618	406	12/19/09	OFF	
9/20/09	OFF		10/20/09	722305	840	11/20/09	739024	433	12/20/09	OFF	
9/21/09	704212	990	10/21/09	723145	1132	11/21/09	739457	330	12/21/09	754136	1085
9/22/09	705202	1170	10/22/09	724277	1181	11/22/09	OFF		12/22/09	755221	1048
9/23/09	706372	1170	10/23/09	725458	1	11/23/09	739787	571	12/23/09	756269	1147
9/24/09	707542	1170	10/24/09	OFF		11/24/09	740358	551	12/24/09	757416	2
9/25/09	708712	70	10/25/09	OFF		11/25/09	740909	444	12/25/09	OFF	
9/26/09	OFF		10/26/09	725459	993	11/26/09	741353	683	12/26/09	OFF	
9/27/09	OFF		10/27/09	726452	993	11/27/09	742036	478	12/27/09	OFF	
9/28/09	OFF		10/28/09	727445	947	11/28/09	742514	429	12/28/09	757418	1157
9/29/09	708782	1100	10/29/09	728392	971	11/29/09	OFF		12/29/09	758575	1195
9/30/09	709882	1176	10/30/09	729363	8	11/30/09	742943	1159	12/30/09	759770	1084
<b>MONTH TOTAL</b>		<b>17961</b>	<b>MONTH TOTAL</b>		<b>18313</b>	<b>MONTH TOTAL</b>		<b>14731</b>	<b>MONTH TOTAL</b>		<b>16752</b>

**PUUNANA WATER TREATMENT PLANT**  
**TOTAL EFFLUENT**

ATTACHMENT CA-RIR-6c.2(b)

DATE	READING	TOTAL									
1/1/08	347985	758	2/1/08	368949	976	3/1/08	392179	1120	4/1/08	421034	993
1/2/08	348743	758	2/2/08	369925	359	3/2/08	393299	748	4/2/08	422027	971
1/3/08	349501	57	2/3/08	370284	639	3/3/08	394047	622	4/3/08	422998	926
1/4/08	349558	634	2/4/08	370923	685	3/4/08	394669	640	4/4/08	423924	1016
1/5/08	350192	700	2/5/08	371608	182	3/5/08	395309	981	4/5/08	424940	987
1/6/08	350892	634	2/6/08	371790	1034	3/6/08	396290	1116	4/6/08	425927	945
1/7/08	351526	56	2/7/08	372824	987	3/7/08	397406	782	4/7/08	426872	71
1/8/08	OFF		2/8/08	373811	1014	3/8/08	398188	1036	4/8/08	OFF	
1/9/08	351582	1225	2/9/08	374825	459	3/9/08	399224	899	4/9/08	426943	934
1/10/08	352807	720	2/10/08	375284	688	3/10/08	400123	546	4/10/08	427877	894
1/11/08	353527	1034	2/11/08	375972	787	3/11/08	400669	851	4/11/08	428771	107
1/12/08	354561	858	2/12/08	376759	930	3/12/08	401520	930	4/12/08	428878	654
1/13/08	355419	629	2/13/08	377689	949	3/13/08	402450	1070	4/13/08	429532	436
1/14/08	356048	124	2/14/08	378638	779	3/14/08	403520	991	4/14/08	OFF	
1/15/08	OFF		2/15/08	379417	916	3/15/08	404511	1213	4/15/08	429968	271
1/16/08	356172	971	2/16/08	380333	66	3/16/08	405724	1073	4/16/08	430239	895
1/17/08	357143	1052	2/17/08	380399	911	3/17/08	406797	1084	4/17/08	431134	831
1/18/08	358195	1006	2/18/08	381310	1109	3/18/08	407881	985	4/18/08	431965	1176
1/19/08	359201	1071	2/19/08	382419	1157	3/19/08	408866	1033	4/19/08	433141	40
1/20/08	360272	691	2/20/08	383576	1071	3/20/08	409899	1120	4/20/08	433181	854
1/21/08	360963	152	2/21/08	384647	1086	3/21/08	411019	904	4/21/08	434035	874
1/22/08	OFF		2/22/08	385733	1058	3/22/08	411923	1061	4/22/08	434909	275
1/23/08	361115	1140	2/23/08	386791	1061	3/23/08	412984	864	4/23/08	OFF	
1/24/08	362255	1205	2/24/08	387852	1065	3/24/08	413848	865	4/24/08	435184	835
1/25/08	363460	1088	2/25/08	388917	889	3/25/08	414713	835	4/25/08	436019	872
1/26/08	364548	1069	2/26/08	389806	154	3/26/08	415548	864	4/26/08	436891	1001
1/27/08	365617	814	2/27/08	389960	211	3/27/08	416412	863	4/27/08	437892	272
1/28/08	366431	994	2/28/08	390171	1025	3/28/08	417275	980	4/28/08	438164	831
1/29/08	367425	190	2/29/08	391196	983	3/29/08	418255	960	4/29/08	438995	908
1/30/08	367615	249				3/30/08	419215	863	4/30/08	439903	770
1/31/08	367864	1085				3/31/08	420078	956			
<b>MONTH TOTAL</b>	<b>20964</b>		<b>MONTH TOTAL</b>	<b>23230</b>		<b>MONTH TOTAL</b>	<b>28855</b>		<b>MONTH TOTAL</b>	<b>19639</b>	

**PUUNANA WATER TREATMENT PLANT**  
**TOTAL EFFLUENT**

ATTACHMENT CA-RIR-6c.2(b)

DATE	READING	TOTAL									
5/1/08	440673	633	6/1/08	459462	23	7/1/08	475641	1004	8/1/08	494619	611
5/2/08	441306	194	6/2/08	459485	691	7/2/08	476645	1100	8/2/08	OFF	
5/3/08	OFF		6/3/08	460176	753	7/3/08	477745	902	8/3/08	OFF	
5/4/08	441500	807	6/4/08	460929	765	7/4/08	OFF		8/4/08	495230	1020
5/5/08	442307	924	6/5/08	461694	845	7/5/08	OFF		8/5/08	496250	1020
5/6/08	443231	149	6/6/08	462539	216	7/6/08	478647	1042	8/6/08	497270	881
5/7/08	443380	955	6/7/08	OFF		7/7/08	479689	1158	8/7/08	498151	1061
5/8/08	444335	1038	6/8/08	462755	974	7/8/08	480847	1167	8/8/08	499212	77
5/9/08	445373	268	6/9/08	463729	961	7/9/08	482014	25	8/9/08	OFF	
5/10/08	445641	927	6/10/08	464690	891	7/10/08	482039	1088	8/10/08	OFF	
5/11/08	446568	817	6/11/08	465581	811	7/11/08	483127	56	8/11/08	499289	
5/12/08	447385	988	6/12/08	466392	511	7/12/08	OFF		8/12/08	500550	1202
5/13/08	448373	775	6/13/08	466903	132	7/13/08	OFF		8/13/08	501752	1198
5/14/08	449148	280	6/14/08	OFF		7/14/08	483183	993	8/14/08	502950	1142
5/15/08	449428	527	6/15/08	OFF		7/15/08	484176	1114	8/15/08	504092	51
5/16/08	449955	716	6/16/08	467035	1024	7/16/08	485290	65	8/16/08	OFF	
5/17/08	450671	741	6/17/08	468059	1070	7/17/08	485355	1186	8/17/08	OFF	
5/18/08	451412	556	6/18/08	469129	1061	7/18/08	486541	458	8/18/08	504143	1063
5/19/08	451968	659	6/19/08	470190	641	7/19/08	OFF		8/19/08	505206	1086
5/20/08	452627	679	6/20/08	470831	239	7/20/08	OFF		8/20/08	506292	1100
5/21/08	453306	621	6/21/08	OFF		7/21/08	486999	977	8/21/08	507392	946
5/22/08	453927	720	6/22/08	OFF		7/22/08	487976	952	8/22/08	508338	383
5/23/08	454647	29	6/23/08	471070	855	7/23/08	488928	992	8/23/08	OFF	
5/24/08	454676	540	6/24/08	471925	1005	7/24/08	489920	637	8/24/08	OFF	
5/25/08	455216	1117	6/25/08	472930	952	7/25/08	OFF		8/25/08	508721	942
5/26/08	456333	12	6/26/08	473882	760	7/26/08	OFF		8/26/08	509663	1010
5/27/08	OFF		6/27/08	474642	96	7/27/08	OFF		8/27/08	510673	1158
5/28/08	456345	770	6/28/08	OFF		7/28/08	490557	997	8/28/08	511831	1435
5/29/08	457115	770	6/29/08	OFF		7/29/08	491554	1133	8/29/08	513266	39
5/30/08	457885	775	6/30/08	474738	903	7/30/08	492687	1109	8/30/08	OFF	
5/31/08	458660	802				7/31/08	493796	823	8/31/08	OFF	
<b>MONTH TOTAL</b>	<b>18789</b>		<b>MONTH TOTAL</b>	<b>16179</b>		<b>MONTH TOTAL</b>	<b>18978</b>		<b>MONTH TOTAL</b>	<b>17425</b>	

**PUUNANA WATER TREATMENT PLANT**  
**TOTAL EFFLUENT**

ATTACHMENT CA-RIR-6c.2(b)

DATE	READING	TOTAL									
9/1/08	513305	724	10/1/08	532859	1255	11/1/08	OFF		12/1/08	564668	1075
9/2/08	514029	1010	10/2/08	534114	911	11/2/08	OFF		12/2/08	565743	5
9/3/08	515039	1084	10/3/08	535025	84	11/3/08	552011	959	12/3/08	OFF	
9/4/08	516123	1297	10/4/08	OFF		11/4/08	552970	944	12/4/08	565748	1310
9/5/08	517420	432	10/5/08	OFF		11/5/08	553914	980	12/5/08	567058	111
9/6/08	OFF		10/6/08	535109	1027	11/6/08	554894	185	12/6/08	OFF	
9/7/08	OFF		10/7/08	536136	965	11/7/08	OFF		12/7/08	OFF	
9/8/08	517852	915	10/8/08	537101	1249	11/8/08	OFF		12/8/08	567169	1019
9/9/08	518767	976	10/9/08	538350	1127	11/9/08	OFF		12/9/08	568188	1022
9/10/08	519743	1191	10/10/08	539477	90	11/10/08	555079	1072	12/10/08	569210	64
9/11/08	520934	1146	10/11/08	OFF		11/11/08	556151	1107	12/11/08	OFF	
9/12/08	522080	514	10/12/08	OFF		11/12/08	557258	1195	12/12/08	OFF	
9/13/08	OFF		10/13/08	539567	678	11/13/08	558453	1088	12/13/08	OFF	
9/14/08	OFF		10/14/08	540245	1293	11/14/08	559541	87	12/14/08	OFF	
9/15/08	522594	1279	10/15/08	541538	922	11/15/08	OFF		12/15/08	OFF	
9/16/08	523873	834	10/16/08	542460	1047	11/16/08	OFF		12/16/08	569274	1026
9/17/08	524707	1013	10/17/08	543507	611	11/17/08	559628	1036	12/17/08	570300	1055
9/18/08	525720	425	10/18/08	OFF		11/18/08	OFF		12/18/08	571355	204
9/19/08	526145	447	10/19/08	OFF		11/19/08	560664	1041	12/19/08	OFF	
9/20/08	OFF		10/20/08	544118	1028	11/20/08	561705	926	12/20/08	OFF	
9/21/08	OFF		10/21/08	545146	1123	11/21/08	562631	84	12/21/08	OFF	
9/22/08	526592	754	10/22/08	546269	1051	11/22/08	OFF		12/22/08	571559	974
9/23/08	527346	1158	10/23/08	547320	1171	11/23/08	OFF		12/23/08	572533	947
9/24/08	528504	1054	10/24/08	548491	139	11/24/08	562715	742	12/24/08	573480	24
9/25/08	529558	528	10/25/08	OFF		11/25/08	563457	688	12/25/08	OFF	
9/26/08	530086	573	10/26/08	OFF		11/26/08	564145	58	12/26/08	OFF	
9/27/08	OFF		10/27/08	548630	1190	11/27/08	OFF		12/27/08	OFF	
9/28/08	OFF		10/28/08	549820	941	11/28/08	564203	465	12/28/08	OFF	
9/29/08	530659	1164	10/29/08	550761	877	11/29/08	OFF		12/29/08	573504	998
9/30/08	531823	1036	10/30/08	551638	373	11/30/08	OFF		12/30/08	574502	1021
			10/31/08	OFF					12/31/08	575523	177
<b>MONTH TOTAL</b>	<b>19554</b>		<b>MONTH TOTAL</b>	<b>19152</b>		<b>MONTH TOTAL</b>	<b>12657</b>		<b>MONTH TOTAL</b>	<b>11032</b>	

**PUUNANA WATER TREATMENT PLANT**  
**TOTAL EFFLUENT**

ATTACHMENT CA-RIR-6c.2(b)

DATE	READING	TOTAL									
1/1/07	49878	587	2/1/07	74085	702	3/1/07	97714	916	4/1/07	120883	884
1/2/07	50465	735	2/2/07	74787	717	3/2/07	98630	963	4/2/07	121767	893
1/3/07	51200	747	2/3/07	75504	669	3/3/07	99593	1264	4/3/07	122660	968
1/4/07	51947	731	2/4/07	76173	761	3/4/07	100857	819	4/4/07	123628	954
1/5/07	52678	746	2/5/07	76934	664	3/5/07	101676	857	4/5/07	124582	987
1/6/07	53424	765	2/6/07	77598	697	3/6/07	102533	805	4/6/07	125569	800
1/7/07	54189	789	2/7/07	78295	760	3/7/07	103338	926	4/7/07	126369	831
1/8/07	54978	616	2/8/07	79055	214	3/8/07	104264	984	4/8/07	127200	1067
1/9/07	55594	435	2/9/07	79269	843	3/9/07	105248	861	4/9/07	128267	924
1/10/07	56029	589	2/10/07	80112	837	3/10/07	106109	806	4/10/07	129191	1028
1/11/07	56618	603	2/11/07	80949	779	3/11/07	106915	740	4/11/07	130219	1057
1/12/07	57221	675	2/12/07	81728	1106	3/12/07	107655	689	4/12/07	131276	952
1/13/07	57896	767	2/13/07	82834	1102	3/13/07	108344	696	4/13/07	132228	1000
1/14/07	58663	883	2/14/07	83936	1126	3/14/07	109040	101	4/14/07	133228	1009
1/15/07	59546	777	2/15/07	85062	873	3/15/07	109141	748	4/15/07	134237	944
1/16/07	60323	933	2/16/07	85935	785	3/16/07	109889	674	4/16/07	135181	813
1/17/07	61256	968	2/17/07	86720	989	3/17/07	110563	320	4/17/07	135994	770
1/18/07	62224	981	2/18/07	87709	1036	3/18/07	110883	507	4/18/07	136764	911
1/19/07	63205	942	2/19/07	88745	947	3/19/07	111390	566	4/19/07	137675	886
1/20/07	64147	1004	2/20/07	89692	946	3/20/07	111956	723	4/20/07	138561	804
1/21/07	65151	505	2/21/07	90638	961	3/21/07	112679	646	4/21/07	139365	791
1/22/07	65656	908	2/22/07	91599	948	3/22/07	113325	748	4/22/07	140156	1003
1/23/07	66564	426	2/23/07	92547	1119	3/23/07	114073	927	4/23/07	141159	1001
1/24/07	66990	1084	2/24/07	93666	1166	3/24/07	115000	695	4/24/07	142160	1074
1/25/07	68074	1057	2/25/07	94832	990	3/25/07	115695	736	4/25/07	143234	1054
1/26/07	69131	1174	2/26/07	95822	635	3/26/07	116431	583	4/26/07	144288	991
1/27/07	70305	1151	2/27/07	96457	609	3/27/07	117014	620	4/27/07	145279	909
1/28/07	71456	1172	2/28/07	97066	648	3/28/07	117634	667	4/28/07	146188	906
1/29/07	72628	588				3/29/07	118301	850	4/29/07	147094	916
1/30/07	73216	169				3/30/07	119151	828	4/30/07	148010	885
1/31/07	73385	700				3/31/07	119979	904			
<b>MONTH TOTAL</b>	<b>24207</b>		<b>MONTH TOTAL</b>	<b>23629</b>		<b>MONTH TOTAL</b>	<b>23169</b>		<b>MONTH TOTAL</b>	<b>28012</b>	

**PUUNANA WATER TREATMENT PLANT**  
**TOTAL EFFLUENT**

ATTACHMENT CA-RIR-6c.2(b)

DATE	READING	TOTAL									
5/1/07	148895	1158	6/1/07	178955	997	7/1/07	201415	795	8/1/07	224402	1044
5/2/07	150053	1200	6/2/07	179952	1050	7/2/07	202210	642	8/2/07	225446	971
5/3/07	151253	1202	6/3/07	181002	970	7/3/07	202852	231	8/3/07	226417	1024
5/4/07	152455	1051	6/4/07	181972	977	7/4/07	203083	449	8/4/07	227441	1045
5/5/07	153506	1023	6/5/07	182949	1000	7/5/07	203532	455	8/5/07	228486	921
5/6/07	154529	890	6/6/07	183949	938	7/6/07	203987	786	8/6/07	229407	887
5/7/07	155419	724	6/7/07	184887	596	7/7/07	204773	835	8/7/07	230294	964
5/8/07	156143	676	6/8/07	185483	932	7/8/07	205608	717	8/8/07	231258	1020
5/9/07	OFF		6/9/07	186415	835	7/9/07	206325	252	8/9/07	232278	988
5/10/07	156819	1019	6/10/07	187250	1006	7/10/07	206577	434	8/10/07	233266	963
5/11/07	157838	878	6/11/07	188256	816	7/11/07	207011	432	8/11/07	234229	979
5/12/07	158716	927	6/12/07	189072	909	7/12/07	207443	795	8/12/07	235208	1051
5/13/07	159643	1038	6/13/07	189981	794	7/13/07	208238	567	8/13/07	236259	1074
5/14/07	160681	1072	6/14/07	190775	297	7/14/07	208805	386	8/14/07	237333	1032
5/15/07	161753	1079	6/15/07	191072	454	7/15/07	209191	363	8/15/07	238365	960
5/16/07	162832	1122	6/16/07	191526	816	7/16/07	209554	979	8/16/07	239325	1021
5/17/07	163954	1025	6/17/07	192342	975	7/17/07	210533	461	8/17/07	240346	1073
5/18/07	164979	1056	6/18/07	193317	524	7/18/07	210994	381	8/18/07	241419	964
5/19/07	166035	1000	6/19/07	193841	317	7/19/07	211375	735	8/19/07	242383	1092
5/20/07	167035	1017	6/20/07	194158	297	7/20/07	212110	1029	8/20/07	243475	1030
5/21/07	168052	1051	6/21/07	194455	605	7/21/07	213139	1123	8/21/07	244505	1086
5/22/07	169103	603	6/22/07	195060	875	7/22/07	214262	1081	8/22/07	245591	1044
5/23/07	169706	1037	6/23/07	195935	910	7/23/07	215343	996	8/23/07	246635	955
5/24/07	170743	940	6/24/07	196845	700	7/24/07	216339	986	8/24/07	247590	1008
5/25/07	171683	943	6/25/07	197545	785	7/25/07	217325	953	8/25/07	248598	936
5/26/07	172626	1093	6/26/07	198330	223	7/26/07	218278	974	8/26/07	249534	111
5/27/07	173719	982	6/27/07	198553	577	7/27/07	219252	1099	8/27/07	249645	907
5/28/07	174701	1063	6/28/07	199130	613	7/28/07	220351	1338	8/28/07	250552	903
5/29/07	175764	1091	6/29/07	199743	927	7/29/07	221689	673	8/29/07	251455	927
5/30/07	176855	1065	6/30/07	200670	745	7/30/07	222362	1015	8/30/07	252382	881
5/31/07	177920	1035				7/31/07	223377	1025	8/31/07	253263	753
<b>MONTH TOTAL</b>	<b>30060</b>		<b>MONTH TOTAL</b>	<b>22460</b>		<b>MONTH TOTAL</b>	<b>22987</b>		<b>MONTH TOTAL</b>	<b>29614</b>	

**PUUNANA WATER TREATMENT PLANT**  
**TOTAL EFFLUENT**

ATTACHMENT CA-RIR-6c.2(b)

DATE	READING	TOTAL	DATE	READING	TOTAL	DATE	READING	TOTAL	DATE	READING	TOTAL
9/1/07	254016	838	10/1/07	281458	1068	11/1/07		0	12/1/07		
9/2/07	254854	750	10/2/07	282526	629	11/2/07		0	12/2/07	331847	603
9/3/07	255604	750	10/3/07	283155	796	11/3/07		0	12/3/07	332450	289
9/4/07	256354	949	10/4/07	283951	797	11/4/07		0	12/4/07	332739	213
9/5/07	257303	1139	10/5/07	284748	965	11/5/07		0	12/5/07	OFF	
9/6/07	258442	1198	10/6/07	285713	1068	11/6/07		0	12/6/07	332952	261
9/7/07	259640	827	10/7/07	286781	973	11/7/07		0	12/7/07	333213	205
9/8/07	260467	617	10/8/07	287754	1065	11/8/07		0	12/8/07	333418	859
9/9/07	261084	635	10/9/07	288819	1101	11/9/07		0	12/9/07	334277	552
9/10/07	261719	603	10/10/07	289920	1032	11/10/07		0	12/10/07	334829	138
9/11/07	262322	985	10/11/07	290952	1084	11/11/07		0	12/11/07	334967	187
9/12/07	263307	1018	10/12/07	292036	1035	11/12/07		0	12/12/07	335154	148
9/13/07	264325	1094	10/13/07	293071	1082	11/13/07		0	12/13/07	335302	1020
9/14/07	265419	1068	10/14/07	294153	1062	11/14/07		0	12/14/07	336322	899
9/15/07	266487	973	10/15/07	295215	959	11/15/07		0	12/15/07	337221	789
9/16/07	267460	932	10/16/07	296174	964	11/16/07		0	12/16/07	338010	691
9/17/07	268392	1000	10/17/07	297138	817	11/17/07		0	12/17/07	338701	676
9/18/07	269392	914	10/18/07	297955	867	11/18/07		0	12/18/07	339377	163
9/19/07	270306	964	10/19/07	298822	928	11/19/07		0	12/19/07	339540	845
9/20/07	271270	896	10/20/07	299750	865	11/20/07		0	12/20/07	340385	848
9/21/07	272166	188	10/21/07	300615	940	11/21/07		0	12/21/07	341233	894
9/22/07	272354	911	10/22/07	301555	1036	11/22/07		0	12/22/07	342127	740
9/23/07	273265	960	10/23/07	302591	1200	11/23/07		0	12/23/07	342867	776
9/24/07	274225	990	10/24/07	303791	1237	11/24/07		0	12/24/07	343643	664
9/25/07	275215	1134	10/25/07	305028	1078	11/25/07		0	12/25/07	344307	34
9/26/07	276349	734	10/26/07	306106	998	11/26/07		0	12/26/07	344341	869
9/27/07	277083	1076	10/27/07	307104		11/27/07		0	12/27/07	345210	977
9/28/07	278159	1150	10/28/07		0	11/28/07		0	12/28/07	346187	1044
9/29/07	279309	1085	10/29/07		0	11/29/07		0	12/29/07	347231	743
9/30/07	280394	1064	10/30/07		0	11/30/07		0	12/30/07	347974	11
			10/31/07						12/31/07	OFF	
<b>MONTH TOTAL</b>	<b>27442</b>		<b>MONTH TOTAL</b>	<b>25646</b>		<b>MONTH TOTAL</b>	<b>0</b>		<b>MONTH TOTAL</b>	<b>16138</b>	

CERTIFICATE OF SERVICE

I (we) hereby certify that copies of the foregoing document were duly served on the following parties, by having said copies delivered as set forth below:

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